

Abstract of the Disclosure

A user interface (132)—be it graphical (GUI) or telephony (TUI)—to an application (120) is defined by stored interface and feature description documents (122,124) written in XML and JavaScript, so that

5 the user interface and changes thereto can be effected without access to source code. Interface description documents define the appearance and the behavior of the user interface toward the user, while feature description documents define the interaction of the user interface with the interfaced-to application, both in conformity with a user-interface object

10 model (310). Stored connector object plug-ins (126) define connector objects for rendering elements of feature description documents, and stored layout object plug-ins (128) define layout objects for rendering elements of interface description documents of one or more interfaces. An interactor (130) generates user interfaces from the stored information.

15 The interactor is independent of any particular interface or interface type, of the interfaced-to application, and of the interfaced user device (100,200); these dependencies are hidden from the interactor by the stored information. The interactor parses the description documents of a user interface into constituent elements and reflects the elements in the

20 object model to form an instance thereof that represents the desired user interface. The interactor then downloads from the plug-ins the objects corresponding to the elements that are reflected in the object model, registers their interfaces in the object model instance to make them accessible by the elements, and invokes execution of each downloaded

25 object with the corresponding element to cause the object to render the element, thereby creating the user interface to the application.